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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,295	03/29/2004	Sutherland Cook Ellwood JR.	20028-7004	1807
45623	7590	12/28/2007	EXAMINER	
PANORAMA LABS PTY. LTD. C/O PATENT LAW OFFICES OF MICHAEL E. WOODS 3433 WHEELING DRIVE SANTA CLARA, CA 95051				RUDE, TIMOTHY L
ART UNIT		PAPER NUMBER		
2871				
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12/28/2007		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/812,295	ELLWOOD, SUTHERLAND COOK	
	Examiner	Art Unit	
	Timothy L. Rude	2871	

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 23 August 2007.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 19-36 and 91-110 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 19-36 and 91-110 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____.

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application

6) Other: _____.

DETAILED ACTION

Consistent with pre-brief appeal conference decision mailed 18 October 2007, finality is withdrawn and prosecution is reopened.

Claims

Claims remain unchanged since entry of the 23 August 2007 amendment.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claims 19-36 and 91-110 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Independent claims 19, 91, and 110, and consequently all their dependent claims, are indefinite because they are method of using claims that contain predominantly device structure limitations. Method of using is an entirely different inventive category relative to said device. Please reference MPEP 2173.05 (p) [R-5] through 2173.05 (q).

Also, claim 93 includes a method of making limitation (yet another inventive category).

Applicant may pursue a patent on said device in a Divisional Application.

Patentability determinations for methods of using are based upon method steps.

Device structure does little, if anything, to limit method steps. Examiner will not delete irrelevant outstanding rejections of device structure. Appropriate correction is required to properly and substantially claim method of using steps as opposed to structure to avoid non-responsive.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

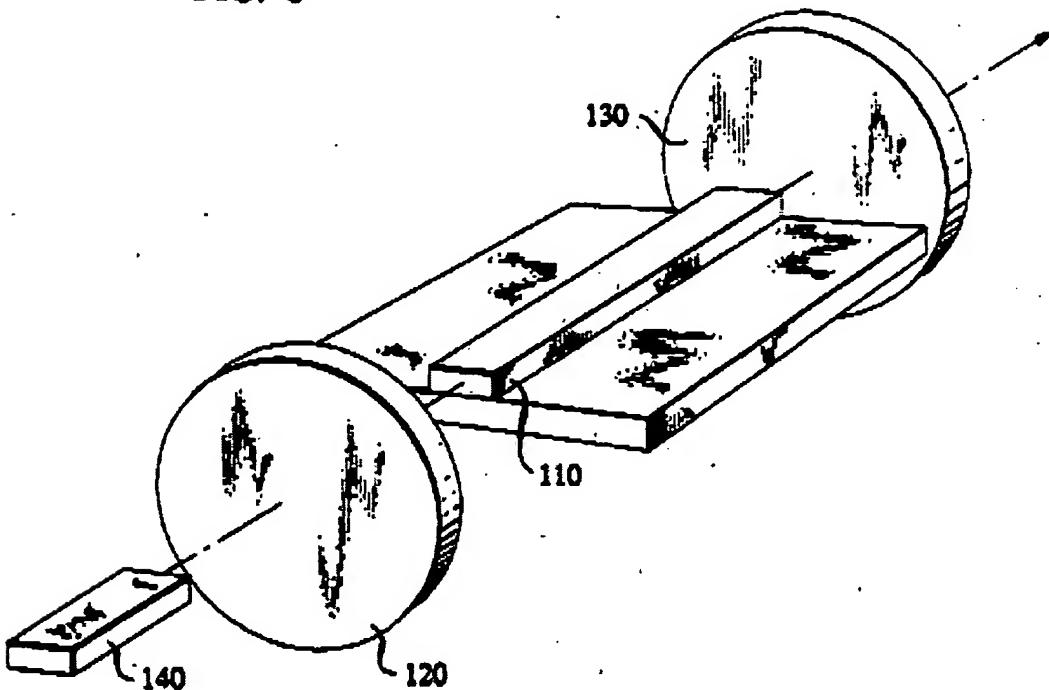
(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 19-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dillon, Jr. et al (Dillon) USPAT 5,031,983 in view of Bischel et al (Bischel) USPAT 6,078,704.

As to claims 19, 20, and 31-36, Dillon discloses improvements to a prior art integrated magneto-optic device [col. 1, line 10 through col. 4, line 56] that is a radiation wave intensity modulator, comprising: a first element for producing a wave component from a radiation wave [light source, 140, in Figure 6], said wave component having a polarization property wherein said polarization property is one polarization from a set of

orthogonal polarizations [col. 1, lines 21 and 22 and items 120 and 130 in Figure 6]; an optical transport for receiving said wave component, said transport having a waveguiding region [YIG doped fiber],

FIG. 6



and one or more guiding regions coupled to said waveguiding region [regions between the polarizers and the YIG doped light guide in the integrated form of the device, col. 1, lines 52-60]; a transport influencer [magnetic coil, col. 7, lines 34-38], operatively coupled to said optical transport and having at least a portion integrated with one or more guiding regions of said one or more guiding regions [integrated form per col. 1, lines 52-60], for affecting said polarization property of said wave component responsive to a control signal; and a second element for interacting with said affected

wave component wherein an intensity of said wave component is varied responsive to said control signal [signal resulting in electromagnetic coil producing a field strength of 30 Oe, col. 7, lines 34-38]; wherein said first element and said second element are polarization filters [col. 1, lines 21 and 22].

Dillon does not explicitly disclose (illustrate) all of the details of the structure of the fully integrated device [see schematic representation at Figure 6].

Dillon teaches that all of the features may be incorporated in a fully integrated device [col. 1, lines 52-60] to serve as a building block for integrated optical devices.

Dillon is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add all of the details of the above structure into a fully integrated device to serve as a building block for integrated optical devices.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon to contain all of the details of the above structure in a fully integrated device of Dillon to serve as a building block for integrated optical devices.

Dillon does not explicitly disclose a display method, the method comprising: producing a radiation wave for each of a plurality of modulators, and asserting selectively each said control signal to independently control said intensity of each said modulator.

Bischel teaches the use of integrated electro-optical modulators in a display method, the method comprising: producing a radiation wave for each of a plurality of modulators, and asserting selectively each said control signal to independently control

said intensity of each said modulator in order to take advantage of semiconductor diode laser light sources to provide a high brightness, energy efficient, flat panel pixel display [Abstract and col. 4, lines 25-50].

Bischel is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add the use of integrated electro-optical modulators (of most any type, including electromagnetic) in a display method, the method comprising: producing a radiation wave for each of a plurality of modulators, and asserting selectively each said control signal to independently control said intensity of each said modulator in order to take advantage of semiconductor diode laser light sources to provide a high brightness, energy efficient, flat panel pixel display.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon with the use of integrated electro-optical modulators of Dillon in a display method, the method comprising: producing a radiation wave for each of a plurality of modulators, and asserting selectively each said control signal to independently control said intensity of each said modulator of Bischel in order to take advantage of semiconductor diode laser light sources to provide a high brightness, energy efficient, flat panel pixel display.

As to claim 21, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said elements are integrated into said transport [integrated form of the device, col. 1, lines 52-60].

As to claim 22, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said influencer produces a controllable magnetic field parallel to a propagation direction of said wave through said transport to alter said polarization property [col. 7, lines 34-38].

As to claim 23, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said influencer alters said polarization property by changing a rotation angle of said wave component in a range from about zero degrees to about ninety degrees [col. 1, line 40].

As to claim 24, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said transport is a fiber waveguide including a core and a cladding corresponding to one or more guiding regions of said one or more guiding regions and wherein said influencer includes a magnetic material integrated with said cladding [multi-layered YIG, col. 2, lines 55-65].

As to claim 25, Dillon in view of Bischel, as combined above, disclose the modulator of claim 6 wherein said magnetic material includes permanent magnetic material [YIG, col. 1, lines 20-25].

As to claim 26, Dillon in view of Bischel, as combined above, disclose the modulator of claim 6 wherein said magnetic material is selectively magnetized responsive to an electric current [magnetic coil, col. 7, lines 34-38].

As to claim 27, Dillon in view of Bischel, as combined above, disclose the modulator of claim 6 wherein said magnetic material is integrated into said fiber waveguide [col. 1, lines 20-25 and col. 2, lines 55-65].

As to claim 30, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said wave component may be extinguished [90 degrees to polarizer, col. 1, line 40].

3. Claims 28 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dillon in view of Bischel.

As to claims 28 and 29, Dillon in view of Bischel, as combined above, disclose the modulator of claim 23.

Dillon in view of Bischel do not explicitly disclose said set of orthogonal polarization includes right hand circular polarization and left hand circular polarization.

Dillon teaches reciprocal and anti-reciprocal light-rotating devices as devices suitable for the intended use as modulators [MPEP 2144.07]. Also, use of circular

polarization vs linear polarization as an alternate mode suitable for light modulation has long been very well known in the art.

Dillon is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add right and left hand circular polarizers with or without crossed transmission orientation as an art recognized means suitable for polarizers and analyzers in a modulator.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon in view of Bischel with the right and left hand circular polarizers with or without crossed transmission orientation [crossed or aligned transmission orientation] of Dillon as an art recognized means suitable for polarizers and analyzers in a modulator.

4. Claims 28 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dillon in view of Bischel and further in view of Conner et al (Conner) USPAT 5,548,422.

As to claims 28 and 29, Dillon in view of Bischel, as combined above, disclose the modulator of claim 23.

Dillon in view of Bischel do not explicitly disclose said set of orthogonal polarization includes right hand circular polarization and left hand circular polarization.

Conner teaches reciprocal and anti-reciprocal light-rotating devices as devices suitable for improving the contrast of the modulation [more uniform black, i.e., more total extinction in the off state, col. 13, lines 14-29]. Also, use of circular polarization vs linear polarization (or in addition to linear polarization) for polarizers and analyzers has long been very well known in the art.

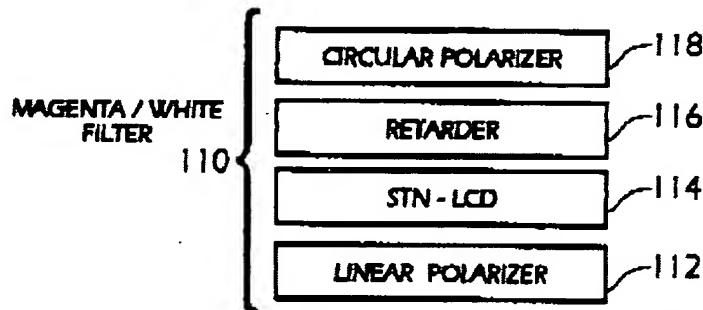


Fig. 11

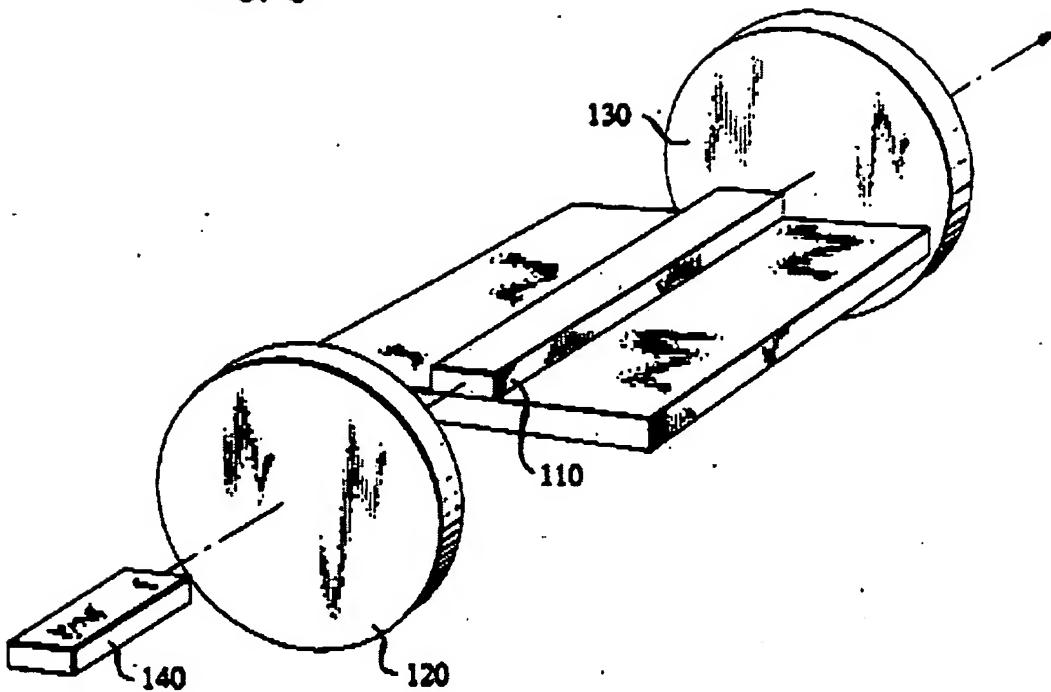
Conner is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add right and left hand circular polarizers with or without crossed transmission orientation to improve contrast of the modulation.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon in view of Bischel with the right and left hand circular polarizers with or without crossed transmission orientation of Conner to improve contrast of the modulation.

5. Claims 91-110 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dillon, Jr. et al (Dillon) USPAT 5,031,983 in view of Bischel et al (Bischel) USPAT 6,078,704, Kumayasu et al (Kumayasu) USPAT 6,792,192 B1, and Iwaki et al (Iwaki) USPAT 5,132,811.

As to claims 91, 92, and 103-110, Dillon discloses improvements to a prior art integrated magneto-optic device [col. 1, line 10 through col. 4, line 56] that is a radiation wave intensity modulator, comprising: a first element for producing a wave component from a radiation wave [light source, 140, in Figure 6], said wave component having a polarization property wherein said polarization property is one polarization from a set of orthogonal polarizations [col. 1, lines 21 and 22 and items 120 and 130 in Figure 6]; an optical transport for receiving said wave component, said transport having a waveguiding region [YIG doped fiber],

FIG. 6



and one or more guiding regions coupled to said waveguiding region [regions between the polarizers and the YIG doped light guide in the integrated form of the device, col. 1, lines 52-60]; a transport influencer [magnetic coil, col. 7, lines 34-38], operatively coupled to said optical transport and having at least a portion integrated with one or more guiding regions of said one or more guiding regions [integrated form per col. 1, lines 52-60], for affecting said polarization property of said wave component responsive to a control signal; and a second element for interacting with said affected wave component wherein an intensity of said wave component is varied responsive to said control signal [signal resulting in electromagnetic coil producing a field strength of

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30 Oe, col. 7, lines 34-38]; wherein said first element and said second element are polarization filters [col. 1, lines 21 and 22].

Dillon does not explicitly disclose (illustrate) all of the details of the structure of the fully integrated device [see schematic representation at Figure 6].

Dillon teaches that all of the features may be incorporated in a fully integrated device [col. 1, lines 52-60] to serve as a building block for integrated optical devices.

Dillon is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add all of the details of the above structure into a fully integrated device to serve as a building block for integrated optical devices.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon to contain all of the details of the above structure in a fully integrated device of Dillon to serve as a building block for integrated optical devices.

Dillon does not explicitly disclose a display method, the method comprising: producing a radiation wave for each of a plurality of modulators, and asserting selectively each said control signal to independently control said intensity of each said modulator.

Bischel teaches the use of integrated electro-optical modulators in a display method, the method comprising: producing a radiation wave for each of a plurality of modulators, and asserting selectively each said control signal to independently control said intensity of each said modulator in order to take advantage of semiconductor diode

laser light sources to provide a high brightness, energy efficient, flat panel pixel display
[Abstract and col. 4, lines 25-50].

Bischel is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add the use of integrated electro-optical modulators (of most any type, including electromagnetic) in a display method, the method comprising: producing a radiation wave for each of a plurality of modulators, and asserting selectively each said control signal to independently control said intensity of each said modulator in order to take advantage of semiconductor diode laser light sources to provide a high brightness, energy efficient, flat panel pixel display.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon with the use of integrated electro-optical modulators of Dillon in a display method, the method comprising: producing a radiation wave for each of a plurality of modulators, and asserting selectively each said control signal to independently control said intensity of each said modulator of Bischel in order to take advantage of semiconductor diode laser light sources to provide a high brightness, energy efficient, flat panel pixel display.

As to limitations regarding dynamic and variable affect on the polarization property of the wave component of visible light, with at least one intermediate level, responsive to a varying control signal, examiner considers that an obvious outcome of the combination of Bischel to Dillon. However, in further support, please consider Iwaki and Kumayasu as follows:

Iwaki teaches that an optical wave component may be modulated by any of a liquid crystal light valve, a liquid crystal television, an electrochromic (electro-optic) display device and a magneto-optic display device (col. 4, line 61 through col. 5, line 2) as art recognized equivalents for the same purpose of modulating the light.

Iwaki is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to any of liquid crystal light valve, an electrochromic (electro-optic) display device and a magneto-optic display device (col. 4, line 61 through col. 5, line 2) as art recognized equivalents for the same purpose of modulating the light [MPEP 2144.06].

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon with the teachings of Bischel to create a satisfactory display device using either of the (electro-optic) device of Bischel and/or the magneto-optic device of Dillon (col. 4, line 61 through col. 5, line 2) as art recognized equivalents for the same purpose of modulating the light [MPEP 2144.06].

Kumayasu teaches that a magneto-optic isolator teaches structure that can obviously be used as a variable magneto-optical attenuator with addition of a simple magnetic coil to provide magnetic field strength responsive to an electric signal (current) (well known in many arts for over a hundred years) [col. 1, line 50 through col. 2, line 56, especially col. 2, lines 46-56] to comprise a satisfactory variable magneto-optical attenuator.

Kumayasu is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add the electrical signal controlled optical attenuating display device of Bischel to the magneto-optic device of Dillon to comprise a satisfactory variable magneto-optical attenuator controlled display device.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon with the teachings of Bischel to create a satisfactory display device by combining the electrical signal controlled optical attenuating display device of Bischel to the magneto-optic device of Dillon to comprise a satisfactory variable magneto-optical attenuator controlled display device [Kumayasu col. 1, line 50 through col. 2, line 56, especially col. 2, lines 46-56].

As to claim 93, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said elements are integrated into said transport [integrated form of the device, col. 1, lines 52-60].

As to claim 94, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said influencer produces a controllable magnetic field parallel to a propagation direction of said wave through said transport to alter said polarization property [col. 7, lines 34-38].

As to claim 95, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said influencer alters said polarization property by

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changing a rotation angle of said wave component in a range from about zero degrees to about ninety degrees [col. 1, line 40].

As to claim 96, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said transport is a fiber waveguide including a core and a cladding corresponding to one or more guiding regions of said one or more guiding regions and wherein said influencer includes a magnetic material integrated with said cladding [multi-layered YIG, col. 2, lines 55-65].

As to claim 97, Dillon in view of Bischel, as combined above, disclose the modulator of claim 6 wherein said magnetic material includes permanent magnetic material [YIG, col. 1, lines 20-25].

As to claim 98, Dillon in view of Bischel, as combined above, disclose the modulator of claim 6 wherein said magnetic material is selectively magnetized responsive to an electric current [magnetic coil, col. 7, lines 34-38].

As to claim 99, Dillon in view of Bischel, as combined above, disclose the modulator of claim 6 wherein said magnetic material is integrated into said fiber waveguide [col. 1, lines 20-25 and col. 2, lines 55-65].

As to claim 100, Dillon in view of Bischel, as combined above, disclose the modulator of claim 1 wherein said wave component may be extinguished [90 degrees to polarizer, col. 1, line 40].

6. Claims 100 and 101 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dillon in view of Bischel, Kumayasu, and Iwaki.

As to claims 100 and 101, Dillon in view of Bischel, as combined above in view of Kumayasu and Iwaki, disclose the modulator of claims 23 and 95.

Dillon in view of Bischel do not explicitly disclose said set of orthogonal polarization includes right hand circular polarization and left hand circular polarization.

Dillon teaches reciprocal and anti-reciprocal light-rotating devices as devices suitable for the intended use as modulators [MPEP 2144.07]. Also, use of circular polarization vs linear polarization as an alternate mode suitable for light modulation has long been very well known in the art.

Dillon is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add right and left hand circular polarizers with or without crossed transmission orientation as an art recognized means suitable for polarizers and analyzers in a modulator.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon in view of Bischel with

the right and left hand circular polarizers with or without crossed transmission orientation [crossed or aligned transmission orientation] of Dillon as an art recognized means suitable for polarizers and analyzers in a modulator.

7. Claims 100 and 101 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dillon in view of Bischel, Kumayasu, Iwaki, and further in view of Conner et al (Conner) USPAT 5,548,422.

As to claims 100 and 101, Dillon in view of Bischel, as combined above in view of Kumayasu and Iwaki, disclose the modulator of claims 23 and 95.

Dillon in view of Bischel do not explicitly disclose said set of orthogonal polarization includes right hand circular polarization and left hand circular polarization.

Conner teaches reciprocal and anti-reciprocal light-rotating devices as devices suitable for improving the contrast of the modulation [more uniform black, i.e., more total extinction in the off state, col. 13, lines 14-29]. Also, use of circular polarization vs linear polarization (or in addition to linear polarization) for polarizers and analyzers has long been very well known in the art.

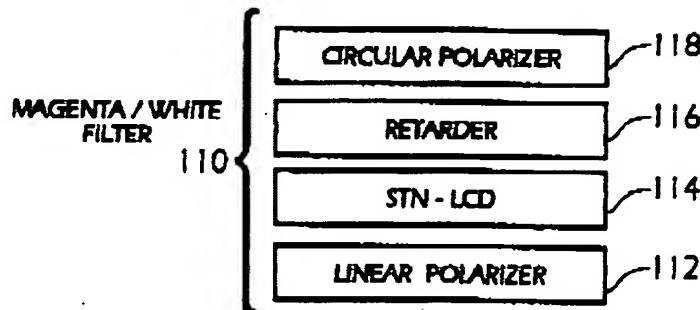


Fig. 11

Conner is evidence that workers of ordinary skill in the art would find the reason, suggestion, or motivation to add right and left hand circular polarizers with or without crossed transmission orientation to improve contrast of the modulation.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of Dillon in view of Bischel with the right and left hand circular polarizers with or without crossed transmission orientation of Conner to improve contrast of the modulation.

Response to Arguments

Applicant's arguments filed on 23 August 2007 have been fully considered but they are not persuasive.

Applicant's ONLY substantive arguments are as follows:

- (1) Regarding base claims, Dillon teaches an invariant device.

- (2) Regarding base claims, Dillon uses a constant magnetic field.
- (3) Regarding base claims, adding variance to Dillon would cause the device of Dillon to no longer function as an isolator.
- (4) Regarding base claims, Dillon does not teach a wave component varied responsive to a control signal.
- (5) Regarding base claims, Dillon does not teach visible light.
- (6) Regarding base claims, it is not possible to combine Bischel to Dillon.
- (7) Regarding base claims, lasers can cause eye damage.
- (8) Dependent claims are allowable because they directly or indirectly depend from an allowable base claim.

Examiner's responses to Applicant's ONLY arguments are as follows:

(1) It is respectfully pointed out that the device of Dillon was made invariant by Dillon for a specific application wherein invariance was desired. One of ordinary skill in the art would know that such a method is not at all limited to applications requiring invariance. Variability is taught, with proper motivation to combine, by secondary reference, Bischel.

(2) It is respectfully pointed out that the device of Dillon was made invariant by Dillon for a specific application wherein invariance was desired. One of ordinary skill in the art would know that such a method is not at all limited to applications requiring invariance. Variability is taught, with proper motivation to combine, by secondary reference, Bischel.

(3) It is respectfully pointed out that the device of Dillon would be functional as a variable attenuator as modified by the teachings of Bischel. This is well known in the art, see col. 1, line 50 through col. 2, line 56, especially col. 2, lines 46-56 of reference Kumayasu et al (Kumayasu) USPAT 6,792,192 B1 and col. 4, line 61 through col. 5, line 2 of reference Iwaki et al (Iwaki) USPAT 5,132,811. Please note that both Kumayasu and Iwaki are not applied to reject claims 19-36; however they do show that the combination of Bischel to Dillon would have been obvious to one of ordinary skill in the art.

(4) It is respectfully pointed out that the device of Dillon was made invariant by Dillon for a specific application wherein invariance was desired. One of ordinary skill in the art would know that such a method is not at all limited to applications requiring invariance. Variability suitable for an optical display is taught, with proper motivation to combine, by secondary reference, Bischel.

(5) It is respectfully pointed out that one of ordinary skill in the art would know that such a method is not at all limited to optical applications other than visible light. Variability of visible light suitable for an optical display is taught, with proper motivation to combine, by secondary reference, Bischel.

(6) It is respectfully pointed out that the device of Dillon would be functional as a variable attenuator of visible light in a display as modified by the teachings of Bischel. This is well known in the art, see col. 1, line 50 through col. 2, line 56, especially col. 2, lines 46-56 of reference Kumayasu et al (Kumayasu) USPAT 6,792,192 B1 and col. 4, line 61 through col. 5, line 2 of reference Iwaki et al (Iwaki) USPAT 5,132,811. Please

note that both Kumayasu and Iwaki are not applied to reject claims 19-36; however they do show that the combination of Bischel to Dillon would have been obvious to one of ordinary skill in the art.

(7) It is respectfully pointed out that the device of Dillon would be functional as a variable attenuator of visible light in a display without causing eye damage as modified by the teachings of Bischel. This is well known in the art, see col. 1, line 50 through col. 2, line 56, especially col. 2, lines 46-56 of reference Kumayasu et al (Kumayasu) USPAT 6,792,192 B1 and col. 4, line 61 through col. 5, line 2 of reference Iwaki et al (Iwaki) USPAT 5,132,811. Please note that both Kumayasu and Iwaki are not applied to reject claims 19-36; however they do show that the combination of Bischel to Dillon would have been obvious to one of ordinary skill in the art.

(8) It is respectfully pointed out that in so far as Applicant has not argued rejection(s) of the limitations of dependent claim(s), Applicant has acquiesced said rejection(s).

Any references cited but not applied are relevant to the instant Application.

Conclusion

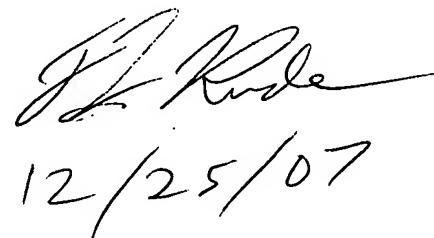
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy L. Rude whose telephone number is (571) 272-2301. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Timothy L Rude
Examiner
Art Unit 2871

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